

## UTILITIES

### § 24-84

#### DIVISION 3. CROSS CONNECTIONS

##### **Sec. 24-81. Rules adopted.**

The city adopts by reference the water supply cross connection rules of the state department of public health being 1979 AACS R325.11401—R325.11407.  
(Ord. No. 137, § 1, 5-25-73)

##### **Sec. 24-82. City to cause inspections.**

It shall be the duty of the city to cause inspections to be made of all properties served by the public water supply system where cross connections with the public water supply is deemed possible. The frequency of inspections and reinspections based on potential health hazards involved shall be as established by the city and as approved by the state department of public health.  
(Ord. No. 137, § 2, 5-25-73)

##### **Sec. 24-83. Right of entry; information.**

The representative of the city shall have the right to enter at any reasonable time any property served by a connection to the public water supply system of the city for the purpose of inspecting the piping systems thereof for cross connections. On request the owner, lessees or occupants of any property so served shall furnish to the inspection agency any pertinent information regarding the piping systems on such property. The refusal of such information or refusal of access, when requested, shall be deemed evidence of the presence of cross connections.  
(Ord. No. 137, § 3, 5-25-73)

##### **Sec. 24-84. Discontinuance of service.**

The city is hereby authorized and directed to discontinue water service after reasonable notice to any property wherein any connection in violation of this division exists, and to take such other precautionary measures deemed necessary to eliminate any danger of contamination of the public water supply system. Water service to such property shall not be restored until the cross connections have been eliminated in compliance with the provisions of this division.  
(Ord. No. 137, § 4, 5-25-73)

**Sec. 25-85. Protection from contamination.**

The potable water supply made available on the properties served by the public water supply shall be protected from possible contamination as specified by this division and by the state plumbing code. Any water outlet that could be used for potable or domestic purposes and that is not supplied by the potable system must be labeled in a conspicuous manner as follows:

Water Unsafe  
For Drinking

(Ord. No. 137, § 5, 5-25-73)

**Sec. 24-86. Division to supplement state code.**

This division does not supersede the state plumbing code but is supplementary to it.  
(Ord. No. 137, § 6, 5-25-73)

**Sec. 24-87 – 24-110. Reserved.**

**ARTICLE III. SEWERS**

**DIVISION 1. GENERALLY**

**Sec. 24-111. Authority to establish rules and regulations.**

Under the provisions of the contract the city is chargeable with the duty of operating and maintaining the sewer system as agent of, and for and on behalf of, the county, and establishing necessary rules and regulations relative to its use and connections thereto subject to the approval of the county board of public works. The city will, by appropriate resolution or ordinance, adopt and place into effect such necessary rules, regulations and standards as may be necessary to properly operate and maintain the system in accordance with the recommendations, and subject to the approval of the county board of public works. The city will further adopt such necessary rules, regulations and standards relative to connection to and use of the sewer system as may be necessary to meet public health requirements and the recommendations of the county board of public works, including adequate and lawful penalties for violations of any such rules, regulations and standards.

(Ord. No. 120, § 9, 8-15-67)

**Sec. 24-112 – 24-130. Reserved.**

**DIVISION 2. RATES AND CHARGES**

**Sec. 24-131. Definitions.**

The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in this section, except where the context clearly indicated a different meaning:

*Additional users* means any unit located on premises supplied through a master water meter and shall include but not be limited to separate dwelling units, condominium housing units, commercial units within a single structure as in retail shopping malls, industrial units within an industrial park development, whether or not contained in a single building or individual structure, office units occupied by individual persons, firms or associations when contained in a single structure, boat wells, either rented or condominiumized, house trailers, camper trailers or similar unit use of premises when supplied with water service from the City of Algonac by way of a single master water meter when such separate units are connected to the sewer system.

*Bonds* means the county bonds issued and outstanding pursuant to this division.

*Contract* means the contract made and executed between the city and the county dated as of July 25, 1967, for the acquisition and construction of the sewer facilities as a part, or section, of the county sewage disposal system no. I, being the contract pursuant to this division and now on file in the office of the city clerk and the county board of public works.

*Contractual installment payments* means the installment payments required to be made by the city to the county board of public works pursuant to the provisions of the contract.

*Dwelling unit* means a building or portion thereof designed for occupancy by one (1) family for residential purposes.

*Family* means one (1) or two (2) persons or parents, with their direct lineal descendants and adopted children (including the domestic employees thereof) together with not more than two (2) persons not related, living together in the whole or part of a dwelling constituting a single housekeeping unit. Every additional group of two (2) or fewer persons living in such housekeeping unit shall be considered a separate family for the purpose of this division.

*Industrial user* means any nongovernmental user of publicly owned treatment works identified in the Standard Industrial Classification Manual, 1972, Office of Management and Budget as amended and supplemented under the following divisions:

- (1) Division A—Agricultural, forestry and fishing;
- (2) Division B—Mining;
- (3) Division D—Manufacturing;
- (4) Division E—Transportation, communications, electric, gas and sanitary services;
- (5) Division I—Service.

A user in the divisions listed may be excluded if it is determined that it will introduce primarily segregated domestic wastes or wastes from sanitary conveniences.

*Operation and maintenance* includes the term "replacement."

*Replacement* means expenditures for obtaining and installing equipment, accessories or appurtenances which are necessary during the service life of the treatment works to maintain the capacity and performance for which such works were designed and constructed.

*Sewer service charge* means a charge levied on the users of the sewer system for the cost of operation, maintenance and administration of the system.

*Sewer system* means the sanitary sewers and appurtenant facilities acquired and constructed within the corporate limits of the city pursuant to the provisions of the contract with the county and being a part, or section, of the system designated as "St. Clair County Sewage Disposal System No. I," and any extensions, improvements or additions thereto, and any additional facilities whether owned or operated by the city or the county within the limits of the city used or useful in connection with the collection, treatment or disposal of sewage or industrial wastes.

*User* or *users* means any premises connecting, or connected with, and using any of the facilities of the sewer system for the removal of sewage or waste. Each dwelling unit located in any premises shall be construed to be a separate user. When additional users located on any premises are connected to the sewer system and such additional users are supplied water through a master water meter such users shall be construed to be additional users.

(Ord. No. 120, § 1, 8-15-67; Ord. No. 120 A, 2-15-77; Ord. of 7-15-80; Ord. No. 91-07, 9-17-91)

**Cross reference** – Definitions and rules of construction generally, § 1-2.

#### **Sec. 24-132. Fiscal year.**

The sewer system shall be operated on the basis of a fiscal year beginning on July first and ending on June thirtieth of each year.

(Ord. No. 120, § 2, 8-15-67)

#### **Sec. 24-133. Users.**

(a) *Charges.* Sewer service charges and debt retirement charges shall be prescribed by resolution of city council in accord with the following:

- (1) To determine the sewage flow from any user for the purpose of determining the sewer service charge for any user the city may use one of the following methods:
  - a. The amount of water supplied to the premises by the city or a private water company as shown upon the water meter if the premises are metered, or
  - b. If such premises are supplied with river water or water from private wells, the amount of water supplied from such sources as estimated by the city from the water, gas or electric supply, or
  - c. If such premises are used for an industrial or commercial purpose of such a nature that the water supplied to the premises cannot be entirely discharged into the sewer system, the estimate of the amount of sewage discharged into the sewer system made by the city from the water, gas or electric supply, or



- d. The number of gallons of sewage discharged into the sewer system as determined by measurements and samples taken at a manhole installed by the owner of the property served by the sewer system at his/her own expense, or
  - e. A figure determined by the city by any combination of the foregoing or by any other equitable method and agreed to by the user in the form of a contractual agreement with the city.
- (2) Holding tank waste from holding tanks such as vessels, chemical toilets, campers, trailers, septic tanks or vacuum-pump tank trucks shall be measured using one of the methods set out in (1) above and charges imposed by the city accordingly.
  - (3) The city may impose by resolution service fees for services performed by the city such as tap-in fees, turn-on and turn-off charges, payment security deposits and similar services as council shall determine to be reasonable and necessary.

(b) *Billing.* All recurring charges as provided in this division shall be rendered periodically as provided by city council resolution during each operating year at the same time and as part of the water bill for such period and shall represent charges for the period immediately preceding the date of rendering the bill. Such bills shall become due and payable within thirty (30) days from the date thereof, and if the bill is not paid on or before the last due date thereof, a penalty of ten (10) percent of the amount of the bill representing the sewer service charges shall be applied thereto. The city council will determine by resolution the billing period for the sewer service charge.

(c) *Enforcement.* The charges and rates specified in this division, in accordance with the provisions of Act No. 94 of the Public Acts of Michigan of 1933 (MCL 141.101 et seq., MSA 5.2731 et seq.), as amended, shall constitute a lien on the property served and benefited, and if not paid within six (6) months after they are due, the officials in charge of the collection thereof shall, prior to April first of each year, certify to the tax assessing officer of the city the fact of such delinquency, whereupon such charge shall be by him entered upon the next tax roll as a charge against such premises and shall be collected and the lien thereof enforced in the same manner as general city taxes against such premises are collected and the lien thereof enforced. However, where notice is given that a tenant is responsible for such charges and service as provided by section 21 of such Act 94 (MCL 141.121, MSA 5.2751), no further service shall be rendered such premises until a cash deposit as determined by council resolution shall have been made as security for payment of such charges and service. In addition to the foregoing, the city shall have the right to shut off water service to any premises for which charges for sewer services are more than two (2) months delinquent, and such service shall not be reestablished until all delinquent charges and penalties and turn-on/turn-off charges have been paid in full.

(Ord. No. 120, § 3, 8-15-67; Ord. No. 120A, 2-15-77; Ord. of 11-20-79; Ord. of 9-1-81(2); Ord. No. 91-07, 9-17-91)

**Sec. 24-134. Free service.**

No free service shall be furnished by the sewer system to any person, public or private, or to any public agency or instrumentality.

(Ord. No. 120, § 4, 8-15-67)

**Sec. 24-135. Allocation of revenues.**

All moneys derived from the collection of the rates and charges imposed by this division shall be deposited into a bank to be designated by the city council, in a special depository account to be designated "sewer system receiving fund," the moneys in such fund to be used and allocated periodically as follows:

- (1) There shall first be set aside, during each fiscal year, into a separate account designated "operation and maintenance fund" sums sufficient to provide for current costs and expenses of operation, maintenance and administration of the sewer system during such fiscal year, as shown by estimates submitted by the county board of public works, or, if such duty of operation, maintenance and administration is delegated by contract or lease to the city, by budget covering the foregoing expenses adopted by the city council and approved by the county board of public works prior to the commencement of the fiscal year. Sewage disposal rates or charges imposed by the county, through its board of public works, as authorized by section 14 of the contract shall also be considered an operation and maintenance expense of the sewer system and an amount sufficient to pay such rates or charges during the fiscal year shall likewise be set aside into such fund.
  - (2) Any balance remaining in the sewer system receiving fund on the last day of each fiscal year, June thirtieth, after the foregoing provisions have been made for the operation and maintenance fund, shall be set aside on July first of each year, into a separate depository account designated "contractual payment fund" and used and applied to the payment of the contractual installment payments due on September first and March first of the then current fiscal year. To the extent such moneys are on hand in the contractual payments fund on July first of each year, the required annual tax levy to provide such contractual payments due the then current fiscal year, may be reduced to an amount sufficient to provide the balance of such payments. Such amounts so on hand in the contractual payments fund on July first of each year are hereby pledged solely and only for the payment of the contractual installment payments due the next succeeding September first and March first of the current fiscal year, and pursuant to the authorization provided in section 12, subsection (2) of Act No. 185 of the Public Acts of Michigan of 1957 (MCL 123.731 et seq., MSA 5.570(1) et seq.), as amended, the annual tax levy to provide such payments may be reduced by the amount so on hand in the contractual payments fund pledged to the payment of such obligations. If the moneys so on hand in the contractual payments fund on July first of each year are fully sufficient to pay in full the contractual installment payments due the current fiscal year, no tax levy shall be required for such purpose.
- (Ord. No. 120, § 5, 8-15-67)

**Sec. 24-136. Additional contracts.**

Nothing contained in this division shall be construed in any way to prevent the city from entering into additional contracts with the county under the provisions of Act No. 185, of the Public Acts of Michigan of 1957 (MCL 123.731 et seq., MSA 5.570(1) et seq.), as amended, for

the acquisition, construction and financing of additions, extensions and improvements to the sewer system, and the use of revenues of the system for the payment of additional obligations incurred thereby.

(Ord. No. 120, § 6, 8-15-67)

**Sec. 24-137. Revision.**

The initial rates and charges specified in section 24-133 shall be subject to revision from time to time by the city council, it being the intent that such rates and charges shall, as far as is reasonably possible, provide sufficient funds to enable the sewer system to be efficiently operated and maintained, and to provide additional funds to enable it to pay a major portion of its contractual installment payments, and thus reducing, to that extent, its annual tax levy obligation therefor.

(Ord. No. 120, § 7, 8-15-67)

**Sec. 24-138. Additional charges, unreasonable burden on system.**

(a) If the character of sewage from a user exceeds a five-day BOD concentration of three hundred (300) milligrams per liter, or a suspended solids concentration of three hundred fifty (350) milligrams per liter, than the charge to be applied to the user shall be determined and added to the sewer service charge billing. This charge shall be prescribed by resolution of the city council.

(b) Although there are no industries currently served by the system, the city shall establish an "industrial cost recovery system" in compliance with section 35-928 of the federal regulations as contained in the Federal Register, February 11, 1974, Volume 39, No. 29. Such industrial cost recovery system shall become a part of this division as if fully set out in this section.

(Ord. No. 120, § 8, 8-15-67; Ord. No. 120A, 2-15-77)

**Sec. 24-139. Annual statements and audits.**

The city shall cause to be maintained and kept proper books of record and account, in which shall be made full and correct entries of all transactions relating to the sewer system. Not later than two (2) months after the close of each fiscal year, the city shall cause to be prepared a statement in reasonable detail, showing the cash income and disbursements of the sewer system at the beginning and close of the fiscal year, and such other information as may be necessary to enable any taxpayer of the city, user or beneficiary of the services furnished, to be fully informed as to all matters pertaining to the fiscal operation of the system during such year. Such annual statement shall be filed in the office of the city clerk where it will be open to public inspection. Such books of record and account shall be audited annually by a certified public accountant to be designated by the city council and a certified copy of such audit shall be filed with the city clerk.

(Ord. No. 120, § 10, 8-15-67)

**Secs. 24-140—24-160. Reserved.**



## DIVISION 3. SEWER USE REGULATIONS

**Sec. 24-161. Definitions.**

The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

*BOD, denoting biochemical oxygen demand,* means the quantity utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days of twenty (20) degrees Celsius expressed in parts per million by weight.

*Building drain* means that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five (5) feet outside the inner face of the building wall.

*Building sewer* means the extension from the building drain to the public sewer or other place of disposal five (5) feet out from building from retaining wall.

*Garbage* means solid wastes from the preparation, cooking and dispensing of food, and from the handling, storage and sale of produce.

*Industrial wastes* means the liquid wastes from industrial processes as distinct from sanitary sewage.

*Natural outlet* means any outlet into a watercourse, pond, ditch, lake or other body of surface water or groundwater.

*pH* means the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.

*Properly shredded garbage* means the wastes from the preparation, cooking and dispensing of food that have been shredded to such degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particles greater than one-half inch in any diameter.

*Public sewer* means a sewer in which all owners of abutting properties have equal rights, and is controlled by public authority.

*Sanitary sewers* means a sewer that carries sewage and to which storm, ground, and surface waters are not intentionally admitted.

*Sewage* means a combination of the water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such storm, ground and surface waters as may be present.

*Sewage treatment plant* means any arrangements of devices and structures used for treating sewage.

*Sewage works* means all facilities for collecting, pumping, treating and disposing of sewage.

*Sewer* means a pipe or conduit for carrying sewage.

*Storm sewer* or *storm drain* means a sewer that carries storm and surface waters and drainage, but excludes sewage and polluted industrial wastes.

*Suspended solids* means the solids that either float on the surface of, or are in suspension in water, sewage or other liquids, and that are removable by laboratory filtering.

*Watercourse* means a channel in which a flow of water occurs, either continuously or intermittently.

(Ord. No. 122, Art. I, 5-21-68)

**Cross reference**-Definitions and rules of construction generally, § 1-2.

#### **Sec. 24-162. Required use of public sewers.**

(a) *Deposits.* It shall be unlawful for any person to place deposit or permit to be deposited in an unsanitary manner upon public or private property within the city or in any area under the jurisdiction of the city any human or animal excrement, garbage or other objectionable waste.

(b) *Discharges.* It shall be unlawful to discharge to any natural outlet within the city or in any area under the jurisdiction of the city, any sanitary sewage, industrial wastes, except where suitable treatment was provided in accordance with this division.

(c) *Alternative facilities.* Except as provided in this division, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool, or other facility intended or used for the disposal of sewage.

(d) *Suitable facilities.* The owners of houses, buildings or properties used for human occupancy, employment, recreation or other purposes situated within the city and abutting on any street, alley or right-of-way in which there is now located or may in the future be located in public sanitary sewer of the city is hereby required at his expense to install suitable toilet facilities therein, and to connect such facilities directly with the proper public sewer in accordance with the provisions of this division, within ninety (90) days after the date of official notice to do so.

(Ord. No. 122, Art II, 5-21-68)

**Cross reference**-Depositing garbage and rubbish restricted, § 10-25.

#### **Sec. 24-163. Unauthorized use.**

No unauthorized person shall uncover, may make any connections with or opening into, use, alter or disturb any public sewer or appurtenances thereof without first obtaining a written permit from the city.

(Ord. No. 122, § 301, 5-21-68)

#### **Sec. 24-164. Permit classes; fees.**

(a) There shall be two (2) classes of building sewer permits. They shall be for:

(1) Residential and commercial service; and

(2) Service to establishments producing industrial wastes.

(b) In both cases under subsection (a) the owner or his agent shall make application on a special form furnished by the city. The permit application shall be supplemented by any plans, specifications or other information considered pertinent in the judgment of the city manager. A permit and inspection fee shall be paid to the city at the time the application is filed in accordance with the schedule of fees as prescribed by resolution of the city council.  
(Ord. No. 122, § 302, 5-21-68; Ord. of 4-21-81)

**Sec. 24-165. Permit applicant to notify city.**

The applicant or the building sewer permit shall notify the city twenty-four (24) hours prior to time inspection is required and connection to the public sewer. The connection shall be made under the supervision of the city manager.  
(Ord. No. 122, § 312, 5-21-68)

**Sec. 24-166. Installation costs borne by owner.**

All costs and expense incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the city from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.  
(Ord. No. 122, § 303, 5-21-68)

**Sec. 24-167. Independent building facilities; exception.**

A separate and independent building sewer shall be provided for every building, except that where one (1) building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard or driveway, the building sewer from the front building may be extended to the rear building and the whole considered as one (1) building sewer.  
(Ord. No. 122, § 304, 5-21-68)

**Sec. 24-168. Old buildings.**

Old building sewers may be used only when they are found, on examination and test by the city, to meet all requirements of this division.  
(Ord. No. 122, § 305, 5-21-68)

**Sec. 24-169. Pipe diameter, material, joints.**

(a) Building sewers shall be:

- (1) Six-inch diameter C-200 vitrified sewer pipe with tylow (type B), wedgelock types 1 and 3 or amvit joints or other county agency approved joints; or
- (2) Six-inch diameter Class 2400 Asbestos Cement Pipe with ringtite or other county agency approved joint; or
- (3) Six-inch diameter, service strength cast iron soil pipe with hot poured lead joint; or
- (4) ABS solid wallplastic pipe conforming to ASTM Specifications D2751, SDR 35; or

- (5) PVC solid wall plastic pipe conforming to ASTM Specifications D3034, SDR 35, or approved equal.

Where bends or curves are specified, they shall be smooth long radius type. No mitered or segmented type bends will be allowed. Branch connections may be cast fittings of the same material and joints as the main sewer, or may be an approved fabricated special fitting that provides a suitable connection for the service lead to the main sewer.

(b) Public sewers shall be a minimum of eight (8) inches in diameter and constructed of materials as approved by the city engineer or the department of public works superintendent. House connection sewers should be six (6) inches in diameter minimum, all joints shall be tight and when tested for infiltration, no sewer shall exceed two hundred fifty (250) U.S. gallons per inch of diameter, per mile, per twenty-four (24) hours. A crock to iron joint shall be sealed by an approved bituminous joint filler, encased in concrete to provide a watertight seal. Flexible adapter fittings, such as those manufactured by Fernco Joint Sealer Company or approved equal may be used without concrete encasement. The pipe inside the building shall be plugged and remain plugged and watertight until such time as the plumbing is carried on to the first floor, the basement backfilled and the roof is on the building, thereby providing that no water from the excavated basement will enter the sanitary sewer.

(Ord. No. 122, § 306, 5-21-68; Ord. of 8-4-87)

#### **Sec. 24-170. Size and slope.**

The size and slope of the building sewer shall be subject to the approval of the city, but in no event shall the diameter be less than six (6) inches. The slope of such six-inch pipe shall be not less than one-eighth inch per foot.

(Ord. No. 122, § 307, 5-21-68)

#### **Sec. 24-171. Gravity connections; depth of pipes, alignment.**

No gravity building sewer connection shall be permitted from the lower floor level of a building unless such floor level is at least one and one-half (1½) feet above the record high water level in the St. Clair River, such high water level being determined by the records of the United States Lake Survey based on the International Great Lakes Datum of 1955. No building sewer shall be laid parallel to or within three (3) feet of any bearing wall, which might thereby be weakened. The depth shall be sufficient to afford protection from frost. The building sewer shall be laid at uniform grade and in straight alignment insofar as possible. Changes in direction shall be made only with properly curved pipe and fittings.

(Ord. No. 122, § 308, 5-21-68)

#### **Sec. 24-172. Low drains; artificial lifts.**

In all buildings in which any building drain is too low to permit gravity to the public sewer or where the lowest floor level is less than one and one-half (1½) feet above the record high level in the St. Clair River, sanitary sewage carried by such drain shall be lifted by approved artificial means and discharged to the building sewer.

(Ord. No. 122, § 309, 5-21-68)

**Sec. 24-173. Installation excavations; pipe laying, backfill.**

All excavations required for the installation of a building sewer shall be open trench work unless otherwise approved by the city. Pipe laying and backfill shall be performed in accordance with ASTM specification C-12-64 except that no backfill shall be placed until the work has been inspected.

(Ord. No. 122, § 310, 5-21-68)

**Sec. 24-174. Building connection to public system.**

The connection of the building sewer into the public sewer shall be made at the “Y” branch, or houselead, if such branch is available at a suitable location. If no properly located “Y” branch or houselead is available, a neat hole may be cut into the public sewer to receive the building sewer, with entry in the downstream direction at an angle of about forty-five (45) degrees. A saddle or forty-five degree ell may be used to make such connection, with the spigot end cut so as not to extend past the inner surface of the public sewer. The invert of the building sewer at the point of connection shall be at the same or at a higher elevation than the invert of the public sewer. A smooth, neat joint shall be made, and the connection made secure and watertight by encasement in concrete. Special fittings may be used for the connection only when approved by the city.

(Ord. No. 122, § 311, 5-21-68)

**Sec. 24-175. Protection from public hazard; restoration of disturbed areas.**

All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the city or other municipal authority having jurisdiction.

(Ord. No. 122, § 313, 5-21-68)

**Sec. 24-176. Restricted discharges.**

(a) No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, cooling water or unpolluted industrial process waters to any sanitary sewer. Footing drains and sump pump discharge shall not be connected to the sanitary sewer.

(b) Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural outlet approved by the city. Industrial cooling water or unpolluted process waters may be discharged upon approval of the city to a storm sewer or natural outlet.

(c) Except as provided in this division, no person shall discharge or cause to be discharged into a public sewer any:

- (1) Liquid or vapor having a temperature higher than one hundred (100) degrees Fahrenheit;
- (2) Water or wastes which may contain more than one hundred (100) parts per million by weight of fat, oil or grease;



- (3) Gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid or gas;
  - (4) Garbage that has not been properly shredded;
  - (5) Ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, paunch manure or any other solid or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works;
  - (6) Waters and wastes having a pH lower than 5.5 or higher than 9.0 or having some other corrosive property capable of causing damage or hazard to structures, equipment or personnel of the sewage works;
  - (7) Water or wastes containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, or create any hazard in the receiving waters of the sewage treatment plant;
  - (8) Waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle such materials at the sewage treatment plant;
  - (9) Noxious or malodorous gas or substance capable of creating a public nuisance.
- (Ord. No. 122, §§ 401 – 403, 5-21-68)

**Sec. 24-177. Grease, oil and sand interceptors.**

- (a) Grease, oil and sand interceptors shall be provided for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand and other harmful ingredients, except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the city and shall be located as to readily and easily accessible for cleaning and inspection.
  - (b) Grease and oil interceptors shall be constructed of impervious materials capable of withstanding abrupt and extreme changes in temperature. They shall be of substantial construction, watertight, and equipped with easily removed covers which when bolted in place shall be gastight and watertight.
  - (c) Where installed, all grease, oil and sand interceptors shall be maintained by the owner at his expense in continuously efficient operation at all times.
- (Ord. No. 122, §§ 404, 405, 5-21-68)

**Sec. 24-178. Admission approval for certain waters and wastes.**

- (a) Admission into the public sewers shall be subject to the review and approval of the city manager of any waters or wastes having:
  - (1) A five-day biochemical oxygen demand greater than three hundred (300) parts per million by weight;

- (2) More than three hundred fifty (350) parts per million by weight of suspended solids;
  - (3) Any quantity or substance having the characteristics described in section 24-176(c); or
  - (4) An average daily flow greater than two (2) percent of the average daily sewage flow of the city.
- (b) Where necessary in the opinion of the city, the owner shall provide at the expense such preliminary treatment as may be necessary to:
- (1) Reduce the biochemical oxygen demand to three hundred (300) parts per million and the suspended solids to three hundred fifty (350) parts per million by weight;
  - (2) Reduce objectionable characteristics or constituents to within the minimum limits provided for in section 24-176(c); or
  - (3) Control the quantities and rates of discharge of such waters or wastes.
- (Ord. No. 122, § 406, 5-21-68)

**Sec. 24-179. Plans and specifications.**

Plans, specifications and any other pertinent information relating to proposed preliminary treatment facilities shall be submitted for the approval of the city and no construction of such facilities shall be commenced until such approval by the city within sixty (60) days after notification of the necessity thereof. If satisfactory plans and specifications are not furnished, or if furnished and construction does not proceed according to the agreed upon construction time, the city shall, upon thirty (30) day's notice in writing to such person admitting wastes above the approved standards, terminate sewer service to such owner. All costs of termination of service and resumption, after completion of required construction, shall be borne by the owner.

(Ord. No. 122, § 406, 5-21-68)

**Sec. 24-180. Preliminary treatment facilities.**

Where preliminary treatment facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense. If such preliminary treatment facilities are not maintained continuously in satisfactory and effective operation by the owner, the city may, after notice as provided for in section 24-179, terminate sewer service until proper operation is provided for.

(Ord. No. 122, § 407, 5-21-68)

**Sec. 24-181. Control manhole.**

When required by the city, the owner of any property served by a building sewer carrying industrial wastes shall install a suitable control manhole in the building sewer to facilitate observation, sampling and measurement of the wastes. Such manhole, when required, shall

be accessibly and safely located, and shall be constructed in accordance with plans approved by the city. The manhole shall be installed by the owner at his expense and shall be maintained by him so as to be safe and accessible at all times.

(Ord. No. 122, § 408, 5-21-68)

**Sec. 24-182. Measurements, tests and analyses.**

All measurements, tests and analyses of the characteristics of waters and wastes to which reference is made in sections 24-176(c) and 24-178 shall be determined in accordance with Standards Methods for the Examination of Water and Sewage, and shall be determined at the control manhole provided for in section 24-181, or upon suitable samples taken at such control manhole. If no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected.

(Ord. No. 122, § 409, 5-21-68)

**Sec. 24-183. Limit of division application.**

No statement contained in this division shall be construed as preventing any special agreement or arrangement between the city and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the city for treatment, subject to payment therefor by the industrial concern.

(Ord. No. 122, § 410, 5-21-68)

**Sec. 24-184. Damaging and defacing.**

(a) No unauthorized person shall maliciously, willfully or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the municipal sewage works.

(b) Any person found guilty of violating this section shall be held responsible for all damages.

(Ord. No. 122, § 501, 5-21-68; Ord. No. 122A, 2-15-77)

**Sec. 24-185. Right of entry.**

The city manager and other duly authorized employees of the city bearing proper credentials and identification shall be permitted to enter upon all properties for the purposes of inspection, observation, measurement, sampling and testing, in accordance with the provisions of this division.

(Ord. No. 122, § 601, 5-21-68)

**Sec. 24-186. Registration; bond.**

No person shall lay, alter or repair any house drain or sewer work, or make any connections whatever with any sewer or house or building belonging to the sanitary sewer system, or do any kind of work connected with the laying of house drains or house sewers or making any

repairs, additions or alterations of any drain or sewer connected or designed to be connected with the sanitary sewer system unless regularly registered by the city and bond posted in the amount required by the city. Any person doing such work without such registration shall be deemed guilty of a violation of this division and shall be subject to penalties therefor.

(Ord. No. 122, § 701, 5-21-68)

**Sec. 24-187. Petition, license, record.**

Any person desiring to do business as a sewer builder and to construct house drains connecting with the sewer system of the city shall file in the office of the city clerk a petition giving the name of the individual, firm or corporation together with his place of business and such other information as may be required by the city and asking to be registered by the city clerk as a sewer builder. Such petition must show that he is experienced in his trade and willing to be governed in all respects by the rules and regulations which are or may be adopted by the city council. Each applicant shall at any time of making his application pay an annual registration fee as prescribed by resolution of the city council, and such application shall contain an agreement on the part of the applicant that if licensed he will indemnify and save harmless the city from all accidents and damages caused by any negligence in protecting his work, or by an unfaithful, imperfect, inadequate, careless or unskilled work done by him, and that he will also promptly and at proper time replace and restore sidewalks, pavement or street surface or any opening he may have made to as good a state and condition as he found previous to opening the same, and keep and maintain the same in good order to the satisfaction of the municipal authority having jurisdiction for the period of one (1) year next thereafter and shall post bonds in amounts required by the city. On the applicant receiving his license, the city clerk shall make a record thereof and of the actual place of business, the name under which the business is transacted, and the licensee shall immediately notify the city clerk of any change in either thereafter. No license shall be granted for more than one (1) year and all licenses shall be granted to expire on May first next succeeding their issue. The contractor shall provide bond as required by the city.

(Ord. No. 122, § 702, 5-21-68)

**Sec. 24-188. Violation.**

Any person who violates, disobeys, omits, neglects or refuses to comply with or resists the enforcement of any provision of this division shall be guilty of a misdemeanor.

(Ord. No. 122, § 801, 5-21-68)